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| **COVERING BOTH GLE’S AND CCSS**  **(State correlation is not a perfect match-What makes them the same….what makes them different?)**  4.1.1 Collect, organize and display data using an appropriate representation (including box-and-whisker plots, stem and leaf plots, scatter plots, histograms) based on the size and type of data set and purpose for its use.  4.2.8 Explain the effects of sample size and sampling techniques (convenience sampling, voluntary response sampling, systematic sampling and random sampling) on statistical claims.  4.2.7 Describe in writing the accuracy of statistical claims, e.g., 4 out of 5 dentists prefer Brand X toothpaste, by recognizing when a sample is biased or when data is misrepresented.  4.2.4 Use descriptive statistics, including range, mode, median, mean, quartiles and outliers to describe data and support conclusions in writing.  4.1.3 Identify where measures of central tendency and spread are found in graphical displays including box-and-whisker plots, stem and leaf plots, scatter plots and histograms.  4.1.2 Use appropriate representations to compare and analyze large data sets.  4.2.6 Make observations and inferences and evaluate hypotheses based on collected and/or experimental data.  4.2.5 Make predictions from scatter plots by using or estimating a line-of-best-fit. |
| **COVERING BOTH GLE’S AND CCSS AND SCIENCE INTEGRATION** |
| **GLE’s but not CCSS** |
| **CCSS but not GLE’s** |